



(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/094190 A2

(51) International Patent Classification: Not classified

(21) International Application Number:
PCT/KR2005/000944

(22) International Filing Date: 31 March 2005 (31.03.2005)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:

10-2004-0022189	31 March 2004 (31.03.2004)	KR
10-2004-0022188	31 March 2004 (31.03.2004)	KR

(71) Applicant (for all designated States except US): LG ELECTRONICS, INC. [KR/KR]; 20, Yoido-Dong, Yongdungpo-Ku, Seoul 150-010 (KR).

(72) Inventors; and

(75) **Inventors/Applicants (for US only):** HA, Sam-Chul [KR/KR]; Sapa-Dongsung Apt. 102-1201, Sapa-Dong, Changwon-Shi, Kyungsangnam-Do 641-550 (KR). BAEK, Seung-Myun [KR/KR]; Lucky Apt. 12-403, Banlim-Dong, Changwon-Shi, Kyungsangnam-Do

641-764 (KR). LEE, Koon-Seok [KR/KR]; Sungwon Apt. 102-1406, 45-1 Sangnam-Dong, Changwon-Shi, Kyungsangnam-Do 641-778 (KR). KIM, Yong-Tae [KR/KR]; Daedong Apt. 1006-1504, Mukca-Ri, Jangyou-Myun, Gimhae-Shi, Kyungsangnam-Do 621-833 (KR).

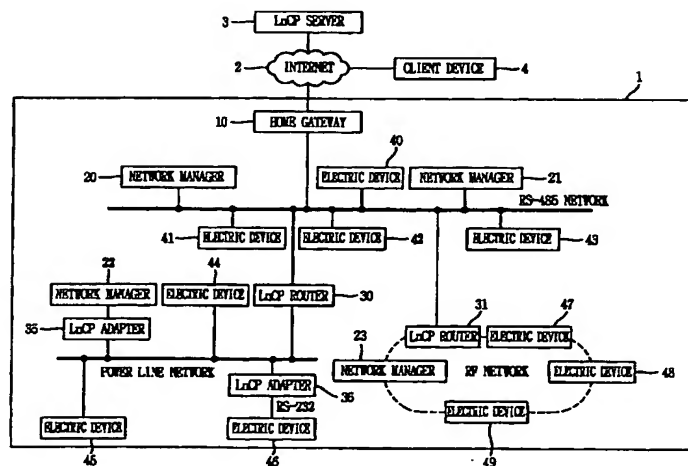
(74) Agent: LEE, Kwang-Yeon; LEE & KIM, 5th Floor, New-Seoul Bldg., 828-8, Yoksam 1-Dong, Kangnam-Ku, Seoul 135-935 (KR).

(81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU: TJ, TM),

[Continued on next page]

(54) Title: DATA RECEIVING METHOD AND TRANSFERRING METHOD FOR DATA LINK LAYER



(57) Abstract: The present invention discloses a data transmission and receiving method at a data link layer for use in a home network system based on a living network control protocol. The data receiving method at the data link layer of a protocol that consists of a physical layer, a data link layer, and an upper layer, includes the steps of: receiving data from the physical layer; storing the received data in a packet buffer; deciding whether new data has been received within a predetermined data allowable interval time since last data is received; and based on a result of the first decision, completing receiving the data.



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*